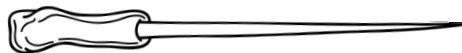


Name: _____ Section: _____

Directions: Highlight each thing the Hogwarts students did that was not safe. Then answer the questions on the back of this sheet.

Horrible Lab Habits at Hogwarts



Parvati Patil, Ron Weasley, and Neville Longbottom were thrilled when Professor Lupin gave them a chemistry set! Professor Lupin warned them to be careful and reminded them to follow the safety rules they had learned in class. The professor passed out the materials and provided each person with a Properties of a Mystery Substance Lab directions packet. Parvati and Neville flipped through the packet and decided to start the experiment right away. Since the teacher did not tell them to wear the safety goggles, they left them on the table.

Parvati reached across the table to grab a test tube from Neville and knocked over a bottle of the mystery substance, a little bit splashed on Neville. Neville thought it smelled weird so he took a deep whiff of it. He didn't think it smelled poisonous and tasted a little bit of the substance. Meanwhile, Parvati began mopping up the spill she made with her shirt so the teacher would not see she had spilled.

Ron read the directions for the mystery substance lab, so he put on some safety goggles. He was curious about what would happen if he mixed different substances. Ron tested a bottle marked Sodium Bicarbonate with acetic acid (a weak acid) to see what would happen, even though he didn't have permission to experiment on his own. He then mixed the acid with a white powder that had spilled out of an unlabeled bottle. He noticed that one of the substances did not do anything when mixed with the acid, but the other fizzed spectacularly! He quickly *ran* over to Neville to share what he had found and knocked over a couple of bottles that Parvati had left open.

After cleaning up the spills, Ron *finally* followed the directions and found the materials he needed. He needed one test tube and the only test tube he could find had a small crack in it, but he decided to use it anyway.

The teacher announced that it was almost time for the next class so they rushed to put everything away.

Since they didn't have much time, Ron didn't clean out his test tube before putting it back in the cabinet. Parvati noticed that she had a small cut on her finger, but decided she didn't have time to tell the teacher about it. Since they were late, they skipped washing their hands and hurried off to transfiguration class.



1. What was the first thing that Neville and Parvarti should have done before beginning the lab?
2. What should Neville have done after he had the mystery substance spill on his skin?
3. What should Parvarti have done after she spilled the bottle?
4. What should Ron have done instead of starting his own experiment?
5. Was it okay that he started his own experiment?
6. It's okay to be excited in science but instead of running, what would have been a better choice for Ron to share his excitement?
7. What should Ron have done about the broken test-tube?
8. At the end of a lab what should the student have done (even if they were going to be late for their next class)?

